

## Product datasheet for **RR209891**

### Ap4s1 (NM\_001130999) Rat Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Ap4s1 (NM\_001130999) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Ap4s1  
**Synonyms:** MGC187750  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RR209891 representing NM\_001130999  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGATCAAGTTCTTCCTTATGGTGAACAGACAAGGGCAGACCCGGCTGTCTAAGTACTATGAGCATGTAG  
ACATTAATAAACGTGCACCTTCTGAAACCGAGGTCAGCAAGAGCTGCCTGTCCGATCCAGTGAACAATG  
CTCGTTCATTGAATACAAGGATTTCAAATTTGATCTACCGCAATACGCAGCTCTCTTTGTTGGTTGGA  
GTTAATGACACGGAGAATGAGATGGCTATCTATGAATTCATACACAATTTGTGGAAGTTTTAGATGAAT  
ACTTCAGCAGAGTGAGTGAAGTACTAGATATAATGTTAATTTGGACAAAGTCCACATCATTTTGGATGAGAT  
GGTGTTAAATGGCTGCATTGTGAAAACAAAGAGCAAGAATCTTGCCCGCTACTGATTCTTGACAAG  
ATGTCGGAGAGC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RR209891 representing NM\_001130999  
Red=Cloning site Green=Tags(s)

MIKFFLMVNRQGQTRLKYYEHVDINKRALLETEVSKSCLSRSSSEQSFIEYKDFKLIYRQYAALFVVVG  
VNDTENEMAIYEFIHNFVEVLDEYFSRVSELDIMFNLDKVIILDEMVLNGCIVETNRARILAPLLILDK  
MSES

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

**Restriction Sites:** Sgfl-MluI

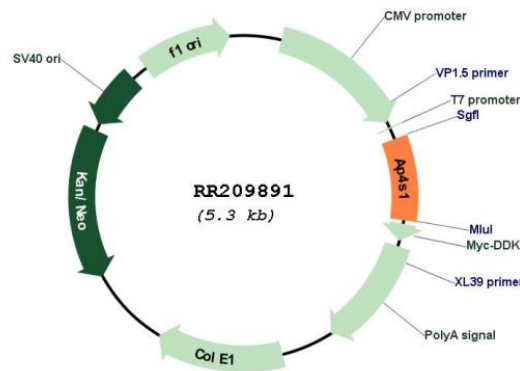


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Cloning Scheme:



Plasmid Map:



ACCN: NM\_001130999

ORF Size: 432 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

<b>Components:</b>	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.</li></ol>
<b>RefSeq:</b>	<u>NM_001130999.1, NP_001124471.1</u>
<b>RefSeq Size:</b>	892 bp
<b>RefSeq ORF:</b>	435 bp
<b>Locus ID:</b>	366618
<b>Cytogenetics:</b>	6q23
<b>MW:</b>	16.9 kDa